Application Number	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11/501,664	SACEDON ADELANTADO ET AL.
	Examiner	**Art Unit**
	Amir Alavi	2624

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER	
ALAVI, AMIR	

ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	11/501,664	SACEDON ADELANTADO ET AL.	
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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *14 August 2007*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-10* is/are pending in the application.

4a) Of the above claim(s) *8-10* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-3 and 7* is/are rejected.

7)☒ Claim(s) *4-6* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *15 July 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *20040715*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

- Applicant's election of Group **I**, namely claims 1-7 in the reply filed on 14 August 2007 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
- Claims 8-10 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Group **II**, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 14 August 2007.

Specification

- Claim 5 is objected to because of the following informalities: Line 1, please change, "an one", to read, "any one".
- Appropriate correction is required.

Claim Rejections - 35 USC § 102

- The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

 A person shall be entitled to a patent unless –

 (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

- Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Murakami et al. (USPN 5,130,797).

Regarding claim 1, Murakami et al. disclose: a plurality of heavy-load processing units arranged in parallel with each other (Please note, figures 13-14, in correlation to column 9, lines 58-67. As indicated there exist four coding circuits 9 disposed in parallel); a data distribution unit configured to distribute image-related data to each of the heavy-load processing units (Please note, figures 13-14, in correlation to column 9, lines 9-10. As indicated a data control circuit 7 that distributes the video data 6 to coding); and a data synthesizing unit configured to synthesize multiple data sets output from the heavy-load processing units so as to produce a sequence of heavy-load processed data that is substantially the same as data obtained if a single heavy-load processing unit is employed (Please note, figure 13, element 10. As indicated a synthesizing operation).

Regarding claim 2, Murakami et al. disclose, wherein the data distribution unit has a memory that stores said image-related data, and the data distribution unit outputs a prescribed portion of the image-related data stored in the memory to one of the heavy-load processing units (Please note, figure 13, element 8).

Regarding claim 3, Murakami et al. disclose, wherein the data distribution unit distributes the image-related data directly to each of the Heavy-load processing units based on the amount of a portion of the image-related data corresponding to one of the heavy-load processing units (Please note, figure 13, elements 7-8).

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Murakami et al. (USPN 5,130,797) in view of Sano et al. (USPN 7,127,117 B2).

Regarding claim 7 Murakami et al. disclose: a plurality of heavy-load processing units arranged in parallel with each other (Please note, figures 13-14, in correlation to column 9, lines 58-67. As indicated there exist four coding circuits 9 disposed in parallel); a data distribution unit configured to distribute image-related data to each of the heavy-load processing units (Please note, figures 13-14, in correlation to column 9, lines 9-10. As indicated a data control circuit 7 that distributes the video data 6 to coding); and a data synthesizing unit configured to synthesize multiple data sets output from the heavy-load processing units so as to produce a sequence of heavy-load

processed data that is substantially the same as data obtained if a single heavy-load processing unit is employed (Please note, figure 13, element 10. As indicated a synthesizing operation).

Murakami et al. do not disclose expressly, wherein the utilization of a JPEG 2000 compression algorithm.

Sano et al. disclose, the utilization of a JPEG 2000 compression algorithm (please note, column 7, lines 1-17).

Murakami et al. & Sano et al. are combinable because they are from the same field of endeavor.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to utilize this JPEG 2000 of Sano et al. in Murakami et al.'s invention.

The suggestion/motivation for doing so would have been, as indicated by Sano et al., column 7, lines 16-17, to reduce image quality deterioration under the high compression rate.

Therefore, it would have been obvious to combine Sano et al. with Murakami et al. to obtain the invention as specified in claim 7.

Allowable Subject Matter

- Claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- The following is a statement of reasons for the indication of allowable subject matter: None of the Prior Art disclose or fairly suggest wherein the data synthesizing unit stores said multiple data sets output from the respective heavy-load processing units in a second memory so that the stored data are substantially the same as data obtained if a single heavy-load processing unit is employed, and wherein when operations of all the heavy-load processing units have been completed, the data synthesizing unit reads and outputs the stored data from the second memory, wherein the data synthesizing unit has multiple temporary memories, each being provided to store the data set output from one of said multiple heavy-load processing units, and wherein when operations of all the heavy-load processing units have been completed, the data synthesizing unit reads and outputs the data from the temporary memories so that the output data are substantially the same as data obtained if a single heavy-load processing unit is employed in the image processing apparatus.

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amir Alavi whose telephone number is 571-272-7386. The examiner can normally be reached on Mon-Thu.. 8:00 am thru 6:30pm.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen D. Lillis can be reached on 571-272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

- Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AA
Technology Division 2624
04 October 2007

AMIR ALAVI
PRIMARY PATENT EXAMINER